



Zoonotic & Environmentally Transmitted Diseases (ZED) Steering Committee

WASO Contacts

Integrated Pest
Management (IPM)
202-513-7183 (East)
970-225-3542 (West)

Public Health
202-513-7226

Risk Management
202-513-7224

Wildlife Health
970-225-3593

Web Resources

IPM Program:

<http://www1.nrintra.nps.gov/ipm/index.cfm>

Public Health:

http://www.nps.gov/public_health/intra/

Risk Management:

<http://www.nps.gov/riskmanagement/>

Wildlife Health:

<http://www1.nrintra.nps.gov/BRMD/nativespecies/wildlifehealth/index.htm>

CDC:

<http://www.cdc.gov/>

State and Local Health Departments:

<http://www.cdc.gov/mmwr/international/relres.html>

Hantavirus Risk Reduction References and Resources

1. National Park Service Videotapes

"Commensal Rodents." This video illustrates how to rodent-proof buildings.

"Integrated Pest Management." This video illustrates the application of the IPM decision-making process in the field.

The above videos are available on loan from your regional, support office, or cluster IPM Coordinators.

2. Publications

Mechanical Rodent Proofing Techniques, by Gerard Hoddenbach, Jerry Johnson, and Carol DiSalvo. 1997. Published by the National Park Service Public Health Program. Copies of this publication are available from your Public Health Consultant, or your regional, support office, or cluster IPM Coordinator. It can also be found at the following Web address:

http://www.nps.gov/public_health/inter/info/general/rpmanual.pdf Note: On the Web, the publication is titled Rodent Exclusion Techniques.

Hantavirus Protection Measures - Wildlife Health Bulletin 04-02 –

http://www.nps.gov/public_health/zed/hanta/Hantavirus_WHB_04_02.pdf

3. Research Papers Rodent-proofing

Douglass, R. J., Kuenzi, A. J., Williams, C. Y., et al. 2003. Removing deer mice from buildings and the risk for human exposure to Sin Nombre virus. *Emerging Infectious Diseases*. 9(3):390-392.

Glass, G. E., Johnson, J. S., Hodenbach [sic] G. A., et al. 1997. Experimental evaluation of rodent exclusion methods to reduce hantavirus transmission to humans in rural housing. *Am. J. Trop. Med. Hyg.* 56(4):359-364.

Hopkins, A. S., Whitetail-Eagle, J., Corneli, A. L., et al. 2002. Experimental evaluation of rodent exclusion methods to reduce hantavirus transmission to residents in a native American community in New Mexico. *Vector Borne and Zoonotic Diseases*. 2(2):61-68.

4. Park IPM Plans

Many parks in the Southwest have park IPM plans that include information on rodent control and information on hantavirus. See the following Web address for a sample plan for Big Bend National Park: <http://www1.nrintra.nps.gov/ipm/ipm.cfm>.

5. Annotated List of Selected Web Sites

http://www.nps.gov/public_health/zed/zed.htm

This is the home page for the National Park Service's Zoonotic and Environmentally Transmitted Diseases (ZED) Steering Committee. Many web sites are listed here.

<http://www.cdc.gov/ncidod/diseases/hanta/hantavirus.htm>

This is CDC's home page for hantavirus.

<http://www1.nature.nps.gov/ww/ipm/manual.htm>

This site contains the National Park Service's Integrated Pest Management Manual, which contains a chapter on fleas. It also contains some information on rodent-proofing, which is found in the chapter on rats.

<http://www.cdc.gov/ncidod/EID>

This is the web site for CDC's Journal of Emerging Infectious Diseases.

http://www.nps.gov/public_health/intra

This is the home page for the NPS Public Health Program.

http://www.nps.gov/public_health/intra/illness/hv_guide.htm

This document contains the NPS' "Interim Recommendations for Risk Reduction." These NPS HPS guidelines were issued in 1993 and have been superseded. However, they are included here for the historical record.

<http://www.cdc.gov/mmwr/preview/mmwrhtml/rr5109a1.htm>

This CDC publication is the root document used by the NPS to update our hantavirus recommendations.

<http://medical.smis.doi.gov/alerts/protwApp.pdf>

This site contains the "Protocol for Inspection and Decontamination of Paper Records Potentially Contaminated by Rodents."

<http://www.cdc.gov/ncidod/diseases/hanta/hps/noframes/prevent8.htm>

This site discusses rodent infestations.

http://www.nps.gov/public_health/inter/info/ppt/hvexcl.ppt

This web address has a powerpoint presentation.

<http://www.cdc.gov/ncidod/diseases/hanta/hps/noframes/hpsslideset/index.htm>

This contains an HPS slide set.

<http://www.osha.gov/SLTC/respiratoryprotection/index.html>

OSHA site on Respiratory Protection.